1. (Amended) A compact veneer [based on] made from a reaction mixture comprising

a) isocvanate.

b) [as] a mixture (b1) of compounds which are reactive toward isocyanates[, a mixture (b1),] comprising:

b11) from 15 to 90% by weight, based on the weight of the mixture (b1), of at least one polyether polyalcohol having a molecular weight of from 400 to 6000 and a mean functionality of from 1.5 to 3 and based on hydroxyl-containing initiator substances and propylene oxide and [also, if desired,] optionally, ethylene oxide,

b12) from 0 to 20% by weight, based on the weight of the mixture (b1), of at least one polyether polyalcohol having a molecular weight of from 400 to 6000 and a mean functionality of from 1.5 to 3 and based on amino-containing initiator substances and propylene oxide and/lalso, if desired], optionally, ethylene oxide,

b13) from 0 to 35% by weight, based on the weight of the mixture (b1), of at least one polyether polyalcohol having a molecular weight of from 150 to 7000 and a mean functionality of from 2.1 to 5,

b14) from 0 to 30% by weight, based on the weight of the mixture (b1), of at least one bifunctional chain extender, optionally [plus, if desired].

- c) catalysts and/or
- d) auxiliaries and/or additives.

4. (Amended) A process for producing moldings [as claimed in claim 3], which comprises producing a veneer in a mold as claimed in claim 2 in a first step and subsequently producing, in contact with the surface of the veneer, a foamed polyisocyanate polyaddition